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PATENT

Atty. Docket No. 8021-54 (SS-14944-US)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Duk-Hyun Yoo et al.

SERIAL NO.: 09/879,434

FILED: June 12, 2001

DATED: July 12, 2004

FOR: DATA RECOVERY APPARATUS AND METHOD FOR  
MINIMIZING ERRORS DUE TO CLOCK SKEW

**RECEIVED**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

JUL 19 2004

Technology Center 2600

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:


Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the listed items are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 12, 2004.

Dated: July 12, 2004

  
Frank V. DeRosa

The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.


The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- ☐ This information disclosure statement is being filed within three (3) months of the filing date of this application.
- ☐ This information disclosure statement is being filed concurrently with the Request for Continued Examination (RCE) attached herewith
- ☐ This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- ☒ To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- ☐ Statement under 37 C.F.R. § 1.97(e):  
I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this statement.
- ☐ Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
  - ☐ Enclosed by check is the petition fee of \$130.00. 37 C.F.R. §1.17(i)(1))
- ☐ Please charge the \$130.00 petition fee to Deposit Account No. 50-0679.

- ☐ Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- ☐ Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to a Credit Card. Form PTO-2038 is enclosed.
- ☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-0679. Also, in the event any extensions of time for responding and/or a petition under 37 C.F.R. §1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

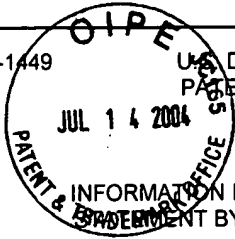
Respectfully submitted,



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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

8021-54 (SS-14944-US)

SERIAL NO.

09/879,434

APPLICANT

Duck-Hyun Yoo

FILING DATE

June 12, 2001

GROUP ART UNIT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,189,622	2/19/80	Foshee	178		

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## FOREIGN PATENT DOCUMENTS

		PUBLICATION NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT TRANSLATION	
							YES	NO
		EP 0921654 A2	09/06/1999	EPO	H04L	7/033	X	
		EP 0921654 A3	09/06/1999	EPO	H04L	7/0333	X	
		EP 0738057 A2	16/10/1996	EPO	H04L	7/04		X
		EP 0738057 A3	16/10/1996	EPO	H04L	7/04		X

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Masakazu Kitazawa, A Bit Synchronization Technique for PDS Optical Subscriber Loop Systems, Proceedings of the Local Optical Networks, 1991.Jun-Young Park, et al., A 1.0 Gbps CMOS Oversampling Data Recovery Circuit with Fine Delay Generation Method, IEICE Trans. Fundamentals, Vol. E83-A, No. 6, June 2000, pp. 1100-1105.Chi-Kong Ken Yang, et al., A 0.5  $\mu$ m CMOS 4.0-Gbit/s Serial Link Transceiver with Data Recovery Using Oversampling, IEEE Journal of Solid-State Circuits, Vol. 33, No. 5, May 1998, pp. 713-721.

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])